



PATENT
Attorney Docket No. 020804

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : BUILDING CONSTRUCTION COMPONENTS
Beck et al. AND METHODS

Group Art Unit No. :
3635

Serial No.: 10/823,449 : Filing Date: April 13, 2004

SECOND INFORMATION DISCLOSURE STATEMENT

Pittsburgh, Pennsylvania 15222

December 9, 2004

Mail Stop Amendment
Commissioner for Patents
Box 1450
Alexandria, VA 22313-1450

Sir:

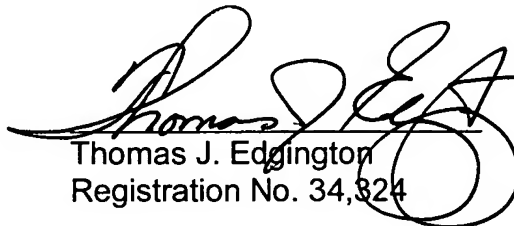
The Assignee of the entire right, title and interest in and to the above-captioned application (hereinafter referred to as the "Applicant"), in accordance with the duty of disclosure pursuant to 37 C.F.R. § 1.56, hereby advises the United States Patent and Trademark Office of the references listed on the accompanying form PTO/SB/08A and PTO/SB/08B (substitute for 1449A/PTO) *Information Disclosure Statement by Applicant*. Pursuant to the August 5, 2003 Notice in the Official Gazette, Applicant is not herewith enclosing copies of the cited U.S. patent Publication or cited U.S. Patents.

Applicant is herewith enclosing copies of all foreign patent documents cited in the accompanying form. English translations are included for the cited Japanese

references; the other foreign references are in the English language.

Applicant notes that although the cited references may be relevant to the examination of the above-referenced application, under 37 C.F.R. § 1.97(h), the filing of this *Information Disclosure Statement* "shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b)."

Respectfully submitted,



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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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| | | Application Number | 10/823,449 | | |
| | | Filing Date | April 13, 2004 | | |
| | | First Named Inventor | Beck | | |
| | | Art Unit | 3635 | | |
| Examiner Name | | | | | |
| Sheet | 1 | of | 3 | Attorney Docket Number | 020804 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code ² (if known) | | | |
| | | US-2004-0074178-A1 | 4/2004 | Daudet et al. | |
| | | D423,325 | 4/2000 | Liss, George Louis | |
| | | 1,682,202 | 8/1928 | Vaughn | |
| | | 2,145,407 | 1/1939 | Soule | |
| | | 2,185,475 | 1/1940 | Rafter | |
| | | 2,966,708 | 1/1961 | Freeman, Jr. | |
| | | 3,083,794 | 4/1963 | Stovall, Jr. | |
| | | 3,668,828 | 6/1972 | Nicholas et al. | |
| | | 3,717,964 | 2/1973 | Brown et al. | |
| | | 3,845,601 | 11/1974 | Kostecky, James F. | |
| | | 3,908,328 | 9/1975 | Nelsson | |
| | | 4,016,700 | 4/1977 | Blomstedt | |
| | | 4,058,941 | 11/1977 | Zakrzewski et al. | |
| | | 4,075,810 | 2/1978 | Zakrzewski et al. | |
| | | 4,078,347 | 3/1978 | Eastman et al. | |
| | | 4,197,952 | 4/1980 | De Fouw et al. | |
| | | 4,288,958 | 9/1981 | Chalmers et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|--|--------------------------------|---|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | CA - 2,077,170 | 3/1994 | | | |
| | | JP - 6-49908 | 2/1994 | | | |
| | | JP - 9-4067 | 1/1997 | | | |
| | | CA - 1,192,015 | 8/1985 | | | |
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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PI-1276735 v1 0174010-0233

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|-----------------------|--------------------------|--|--------------------------------|--|---|
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| | | Number - Kind Code ² (if known) | | | |
| | | 4,551,957 | 11/1985 | Madray | |
| | | 4,616,453 | 10/1986 | Sheppard, Jr. et al. | |
| | | 4,688,358 | 8/1987 | Madray | |
| | | 4,761,928 | 8/1988 | Pichette | |
| | | 4,793,113 | 12/1988 | Bodnar | |
| | | 4,866,899 | 9/1989 | Houser | |
| | | 4,909,007 | 3/1990 | Bodnar | |
| | | 4,918,899 | 4/1990 | Karytinis | |
| | | 5,207,045 | 5/1993 | Bodnar | |
| | | 5,313,752 | 5/1994 | Natzinikolas | |
| | | 5,353,560 | 10/1994 | Heydon | |
| | | 5,394,665 | 3/1995 | Johnson | |
| | | 5,412,919 | 5/1995 | Pellock et al. | |
| | | 5,426,906 | 6/1995 | McCracken | |
| | | 5,527,625 | 6/1996 | Bodnar | |
| | | 5,592,848 | 1/1997 | Bodnar | |
| | | 5,596,859 | 1/1999 | Horton et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|--|--------------------------------|---|--|----------------|
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| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
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| | | Number - Kind Code ² (if known) | | | |
| | | 5,687,538 | 11/1997 | Frobosilo et al. | |
| | | 5,687,538 | 11/1997 | Frobosilo et al. | |
| | | 5,689,922 | 11/1997 | Daudet | |
| | | 5,857,306 | 1/1999 | Pellock | |
| | | 5,956,916 | 9/1999 | Liss, George Louis | |
| | | 6,131,358 | 10/2000 | Wise Michael A. | |
| | | 6,301,854 | 10/2001 | Daudet et al. | |
| | | 6,354,055 | 3/2002 | Shaw et al. | |
| | | 6,418,694 | 7/2002 | Daudet et al. | |
| | | 6,691,478 | 2/2004 | Daudet et al. | |
| | | 6,739,105 | 5/2004 | Fleming, John Joseph | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|--|--------------------------------|---|--|----------------|
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